



Attorney Docket No. 0171968  
PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of :  
VOLL, et al. : Group Art Unit: Unknown  
Serial No.: 10/670,403 : Examiner: Unknown  
Filed: September 24, 2003 :  
Title: Distance Extender & Method Making Use of Same

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached hereto is a completed Form PTO-1449 listing patents, publications, applications, or other information, with copies of each such item enclosed herewith. It is requested that the cited patents, publications, applications, or other information be made of record in the examination of this application. The filing of this information disclosure statement is not to be construed as an admission that the information cited in the statement is, or is considered to be, material to the patentability of the invention claimed in the above-identified application. No representation is made that a search has been performed.

This information disclosure statement is being filed (1) within three months of the filing date of a national application other than a continued prosecution application, (2) within three months of the date of entry of the national stage, (3) before the mailing of a first Office Action on the merits, or (4) before the mailing of a first Office Action after the filing of a request for

Title: Distance Extender & Method of Making Use of Same  
Serial No.: 10/670,403  
**Information Disclosure Statement**

continued examination. Accordingly, no fee is required. The commissioner is, however, authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 02-4467.

Respectfully submitted,

Dated: Nov. 21, 2003

By: Kenneth Nelson  
Kenneth A. Nelson, Reg. No. 48,677  
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I hereby certify that this document (and any others referred to as being attached or enclosed) is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" service, mailing label No. EL452287631US on November 21, 2003 and addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Thomas Lalance  
Printed Name: Thomas Lalance



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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 0171968	SERIAL NO. 10/670,403
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT Voll, et al.	
		FILING DATE September 24, 2003	GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	D449,608	10/23/01	Chang			
	2003/0005186	1/2/03	Gough			
	2003/0035049	2/20/03	Dickens, et al.			
	2003/0037130	2/20/03	Rollins			
	2002/0038334	3/28/02	Schneider, et al.			
	2003/0051021	3/13/03	Hirschfeld, et al.			
	2001/0053711	12/20/01	Chou			
	2002/0054029	5/9/02	Glancy, et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
EP 0962663A2	5/26/99	EP			No	
WO 98/12641	3/26/98	PCT				
EP 0982663A2	8/26/99	EP				
G9303716.3	11/4/93	Germany				

OTHER DOCUMENTS (Including Author, Title, Date Pertinent Pages, Etc.)

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	2002/0072892	6/13/02	Shirley			
	2002/0091850	7/11/02	Perholtz, et al.			
	2002/0097220	7/25/02	Ferguson, et al.			
	2002/0116539	8/22/02	Bryczkowski, et al.			
	2002/0124128	9/5/02	Qiu			
	2002/0143996	10/3/02	Odryna, et al.			
	2002/0198934	12/26/02	Kistler, et al.			
	4,468,612	8/28/84	Starr			
	4,876,712	10/24/89	Brint, et al.			
	4,972,470	11/20/90	Farago			
	5,226,123	7/6/93	Vockenhuber			
	5,347,113	9/13/94	Reddersen, et al.			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
10-187303	7/14/98	Japan			YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>

## OTHER DOCUMENTS (Including Author, Title, Date Pertinent Pages, Etc.)

	NTI Catalog, 2001
	NTI Product Information Sheet – no date
	Belkin OmniView Catalog, 1999
	NTI. Description of Video Switch, Monitor Switch product [online], [retrieved on 12/26/01], Retrieved from the Internet. <URL://http://www.networktechinc.com/vidswt.html>.

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,369,593	11/29/94	Papamarcos, et al.			
	5,499,377	3/12/96	Lee			
	5,524,362	6/11/96	Quandt, et al.			
	5,542,053	7/30/96	Bland, et al.			
	5,499,377	3/12/96	Lee			
	5,581,303	12/3/96	Djabbari, et al.			
	5,664,229	9/2/97	Bhargava, et al.			
	5,699,533	12/16/97	Sakai			
	5,721,842	2/24/98	Beasley, et al.			
	5,724,529	3/3/98	Smith, et al.			
	5,752,032	5/12/98	Keller, et al.			
	5,758,099	5/26/98	Grieco, et al.			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO

## OTHER DOCUMENTS (Including Author, Title, Date Pertinent Pages, Etc.)

		KVM. Description of KVM Switch product [online], [retrieved on 12/26/01], Retrieved from the Internet. <URL://http://www.kvm-switches-online.com/index.html>.
		Belkin. Description of KVM OmniView product [online], [retrieved on 10/30/01], Retrieved from the Internet. <URL://http://www.belkin.com/moreabout/kvm.html>.

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	5,761,447	6/2/98	Knox, et al.			
	5,761,448	6/2/98	Adamson, et al.			
	5,768,568	6/16/98	Inui, et al.			
	5,781,748	7/14/98	Santos, et al.			
	5,784,702	7/21/98	Greenstein, et al.			
	5,799,171	8/25/98	Kondou			
	5,801,789	9/1/98	Zeidler, et al.			
	5,864,708	1/26/99	Croft, et al.			
	5,884,096	3/16/99	Beasley, et al.			
	5,935,224	8/10/99	Svancarek, et al.			
	5,937,176	8/10/99	Beasley, et al.			
	5,978,389	11/2/99	Chen			

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	6,038,616	3/14/00	Thornton, et al.			
	6,040,817	3/21/00	Sumikawa			
	6,044,428	3/28/00	Rayabhari			
	6,112,264	8/29/00	Beasley, et al.			
	6,119,148	9/12/00	Chen			
	6,141,719	10/31/00	Rafferty, et al.			
	6,160,543	12/12/00	Chen			
	6,162,078	12/19/00	Chung			
	6,256,014	7/3/01	Thomas, et al.			
	6,281,457	8/28/01	Chang			
	6,304,895	10/16/01	Schneider, et al.			
	6,324,605	11/27/01	Rafferty, et al.			

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO

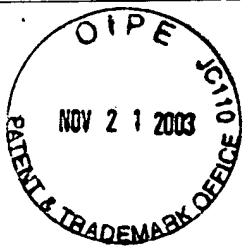
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	6,378,009	4/23/02	Pinkston, II, et al.			
	6,378,014	4/23/02	Shirley			
	6,388,658	5/14/02	Ahern, et al.			
	6,539,418	3/25/03	Schneider, et al.			
	5,734,334	3/31/98	Hsieh, et al.			
	5,317,695	5/31/94	Celi, Jr.			
	5,166,674	11/24/92	Baum, et al.			
	4,730,251	3/8/88	Aakre, et al.			
	5,732,212	3/24/98	Perholtz, et al.			
	5,742,677	4/21/98	Pinder, et al.			
	5,768,224	6/16/98	Tanaka, et al.			
	5,774,859	6/30/98	Houser, et al.			
	5,674,003	10/7/97	Andersen, et al.			

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	5,724,525	3/3/98	Beyers, II, et al.			
	5,719,622	2/17/98	Conway			
	5,715,515	2/3/98	Atkins, III, et al.			
	5,708,961	1/13/98	Hylton, et al.			
	5,701,161	12/23/97	Williams, et al.			
	4,641,262	2/3/87	Bryan, et al.			
	5,689,671	11/18/97	Strömberg			
	5,657,414	8/12/97	Lett, et al.			
	5,642,153	6/24/97	Chaney, et al.			
	5,608,872	3/4/97	Schwartz, et al.			
	5,606,604	2/25/97	Rosenblatt, et al.			
	5,603,060	2/11/97	Weinberger, et al.			
	5,592,551	1/7/97	Lett, et al.			
	5,583,993	12/10/96	Foster, et al.			
	5,579,087	11/26/96	Salgado			
	5,579,057	11/26/96	Banker, et al.			

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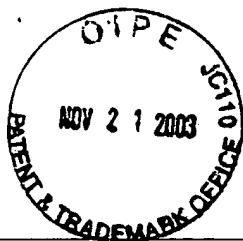
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	5,577,210	11/19/96	Abdous, et al.			
	5,539,822	7/23/96	Lett			
	5,537,548	7/16/96	Fin, et al.			
	5,534,942	7/9/96	Beyers, Jr. , et al.			
	5,504,522	4/2/96	Setogawa			
	5,489,947	2/6/96	Cooper			
	5,485,221	1/16/96	Banker, et al.			
	5,477,262	12/19/95	Banker, et al.			
	5,465,105	11/7/95	Shatas, et al.			
	5,440,632	8/8/95	Bacon, et al.			
	5,440,618	8/8/95	Riegel, et al.			
	5,396,593	3/7/95	Mori, et al.			
	5,392,400	2/21/95	Berkowitz, et al.			
	5,381,477	1/10/95	Beyers, II, et al.			
	5,367,571	11/22/94	Bowen, et al.			
	5,357,276	10/18/94	Banker, et al.			

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	5,349,675	9/20/94	Fitzgerald, et al.			
	5,347,646	9/13/94	Hirosawa, et al.			
	5,327,156	7/5/94	Masukane, et al.			
	5,317,391	5/31/94	Banker, et al.			
	5,301,028	4/5/94	Banker, et al.			
	5,287,461	2/15/94	Moore			
	5,283,639	2/1/94	Esch, et al.			
	5,280,583	1/18/94	Nakayama, et al.			
	5,268,676	12/7/93	Asprey, et al.			
	5,261,079	11/9/93	Celi, Jr.			
	5,260,778	11/9/93	Kauffman, et al.			
	5,247,615	9/21/93	Mori, et al.			
	5,247,364	9/21/93	Banker, et al.			
	5,220,380	6/15/93	Hirata, et al.			
	5,214,785	5/25/93	Fairweather			
	5,128,766	7/7/92	Choi			

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	5,117,225	5/26/92	Wang			
	5,051,720	9/24/91	Kittirutsunetorn			
	5,036,484	7/30/91	McCoy, et al.			
	5,029,111	7/2/91	Mansell			
	4,953,159	8/28/90	Hayden, et al.			
	4,953,027	8/28/90	Tong, et al.			
	4,949,248	8/14/90	Caro			
	4,939,507	7/3/90	Beard, et al.			
	4,907,079	3/6/90	Turner, et al.			
	4,823,256	4/18/89	Bishop, et al.			
	4,807,184	2/21/89	Shelor			
	4,768,083	8/30/88	Romesburg			
	4,680,622	7/14/87	Barnes, et al.			
	4,665,501	5/12/87	Saldin, et al.			
	4,630,284	12/16/86	Cooperman			
	4,599,611	7/8/86	Bowker, et al.			

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	4,550,386	10/29/85	Hirosawa, et al.			
	4,479,122	10/23/84	Redman, et al.			
	4,081,797	3/28/78	Olson			
	3,955,188	5/4/76	Viswanathan			
	4,243,984	1/6/81	Ackley, et al.			
	6,615,090	9/2/03	Blevins, et al.			
	6,006,338	12/21/99	Longsdorf, et al.			
	6,215,907	4/10/01	Kumar, et al.			
	6,098,116	8/1/00	Nixon, et al.			
	6,633,905	10/14/03	Anderson, et al.			
	5,181,858	1/26/93	Matz, et al.			
	5,613,096	3/18/97	Danknick			
	6,151,645	11/21/00	Young, et al.			
	5,330,370	7/19/94	Reddersen, et al.			
	5,835,791	11/10/98	Goff, et al.			
	2003/0131127	7/10/03	King, et al.			
	2002/0004912	1/10/02	Fung			

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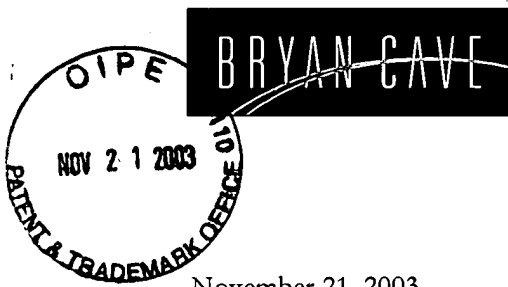
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11-24-03



Kenneth A. Nelson  
Registered Patent Attorney  
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November 21, 2003

**VIA U.S. MAIL**

Mail Stop Patent Application  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Re: U.S. Patent Application Serial No. 10/670,403  
Inventor: Voll, et al.  
Title: Distance Extender & Method Making Use of Same  
Attorney Docket No.: 0171968

Dear Sir/Madam:

Enclosed herewith for filing in the above-identified application are the following:

1. IDS (13 pgs. + 188 references); and
2. Self-addressed, prepaid postcard to acknowledge receipt of documents.

Very truly yours,

Kenneth A. Nelson

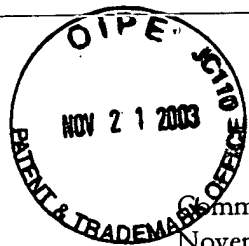
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Enclosure

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